

Charge Type		Description	Service Date	Hour Ending	Metered Load (MW)	CAISO Obligation	Quantity MW	MCP \$	Total
A/S	111	0111-Spinning Reserve due ISO ***	27-Nov-01	18	91.46	3.11%	2.84	7.205	\$20.46
A/S	112	0112-Non-spinning Reserve due ISO ***	27-Nov-01	18	91.46	3.11%	2.84	9.141	\$25.96
A/S	114	0114-Replacement Reserve due ISO ***	27-Nov-01	18	91.46	0.66%	0.6	2.134	\$1.28
A/S	115	0115-Regulation Up (AGC) due ISO ***	27-Nov-01	18	91.46	1.79%	1.64	18.9227	\$31.03
A/S	116	0116-Regulation Down (AGC) due ISO ***	27-Nov-01	18	91.46	1.85%	1.69	9.35	\$15.80
IE	406	0406-UFE Settlement *	27-Nov-01	18	91.46		6.204	16.67	\$103.42
	407	0407-Uninstructed Energy (Imbalance Energy) **	27-Nov-01	18	91.46		-0.96	44.85	(\$43.06)
	487	0487-Allocation of Excess Cost for Instructed Energy	27-Nov-01	18	91.46		4.48	-0.06	(\$0.27)
	1010	1010-Neutrality Adjustment Charge/Refund	27-Nov-01	18	91.46		91.44	-0.48	(\$43.89)
	1011	1011-Ancillary Service Rational Buyer Adjustment	27-Nov-01	18	91.46		66.93	0.35	\$23.43
	1030	1030-No Pay Provision Market Refund	27-Nov-01	18	91.46		92.46	-0.02	(\$1.85)
	1210	1210-Existing Contracts (ETC) Cash Neutrality Charge/Refund	27-Nov-01	18	91.46		92.46	-0.53	(\$49.00)
GMC	Grid Management Charge (GMC) - CAISO Overhead								
		Three components:		<u>2001</u>					
		1. Control Area Services Charge	48.1%	\$0.406	91.46				\$37.13
		2. Inter-Zonal Scheduling Charge (Congestion)	8.7%	\$0.223	0				\$0.00
		3. Market Operations Charge (A/S and Real Time Energy)	43.2%	\$0.951	15.34				\$14.59
								Total	\$135.04
						* Unaccounted for Energy			
						Attributable to:			
						91.46 MWh of DA Market Energy @			

Meter measurement errors, energy theft, statistical load profile errors, and distribution loss deviations.	\$30 per MWh	\$2,743.80
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** Uninstructed Energy is one of two Imbalance Energy (IE) components: 1. Instructed 2. Uninstructed	CAISO share as % of Energy Cost	4.92%
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*** Spin, non-Spin, Replacement Reserves and Regulation can be "self provided" in Day-Ahead from CVP generation and "credited" against these charges.

- Notes:
- 1. Hour-Ahead A/S charges not shown.
 - 2. Charge type 117 - Demand Relief (usually only in summer months)
 - 3. Charge type 253/203 - Congestion not shown
 - 4. Charge type 591/592 - Emission/Start-up Cost Recovery not shown
 - 5. Does not include transmission/distribution charges from transmission provider

Sample Summary CAISO Bill for General Discussion Purposes Only